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	Application No.	Applicant(s)	
09/938,119 ATLAS ET A		ATLAS ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Cicely Ware	2611	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOT the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to and MPEP 1308.	olication. If not include will be mailed in due	ed course. THIS
1. This communication is responsive to <u>amendment filed on 6</u>	<u>6/23/2006</u> .		
2. The allowed claim(s) is/are <u>1-36</u> .			
 3. Acknowledgment is made of a claim for foreign priority unally all b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No		ation from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the red	quirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			IOTICE OF
 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the deposit of the deposit of	son's Patent Drawing Review (PTO-6 s Amendment / Comment or in the O .84(c)) should be written on the drawin he header according to 37 CFR 1.121(c sit of BIOLOGICAL MATERIAL n	office action of logs in the front (not the d). nust be submitted. I	
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	5. ☐ Notice of Informal Pa 6. ☐ Interview Summary Paper No./Mail Dat 7. ☐ Examiner's Amendn	(PTO-413), e nent/Comment	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Stateme 9. □ Other	nt of ∺easons for Allo	owance

Application/Control Number: 09/938,119

Art Unit: 2611

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: The following is a statement of reasons for the indication of allowable subject matter: The instant application discloses a method for encoding a signal for storage or transmission. Prior art references show similar methods but fail to teach: "a method for encoding a signal for storage or transmission, comprising the steps of: (a) implementing a twodimensional transform of the signal, producing a transform matrix having modulation frequency as one dimension, wherein said one dimension is a spectral representation of a time variability of a spectra of the signal; (b) reducing a dynamic range of the signal; (c) quantizing and selecting coefficients included in the transform matrix", as in claim 1; "determining an inverse quantized mean spectral density using the quantized mean spectral density; deriving bit allocations form the inverse quantized mean spectral density using a perceptual model", as in claims 16, 22; "a method for perceptually ordering data within data packets that are sized as a function of either an available storage or an available data transmission bandwidth, comprising the steps of: (a) determining a mean spectral density function of the data for inclusion in the data packets, wherein the data packets are sized as a function of one of an available storage, and an 16 available data transmission bandwidth; (b) determining a magnitude matrix and a phase matrix for the data; (c) modeling the magnitude matrix; (d) quantizing the magnitude matrix and the phase matrix for use in the data packets", as in claim 29.

Application/Control Number: 09/938,119

Art Unit: 2611

Page 3

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance.

Conclusion

2. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Cicely Ware whose telephone number is 571-272-3047.

The examiner can normally be reached on Monday – Friday, 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jay Patel can be reached on 571-272-2988. The fax phone numbers for the

organization where this application or proceeding is assigned are 703-872-9314 for

regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is 703-305-

3900.

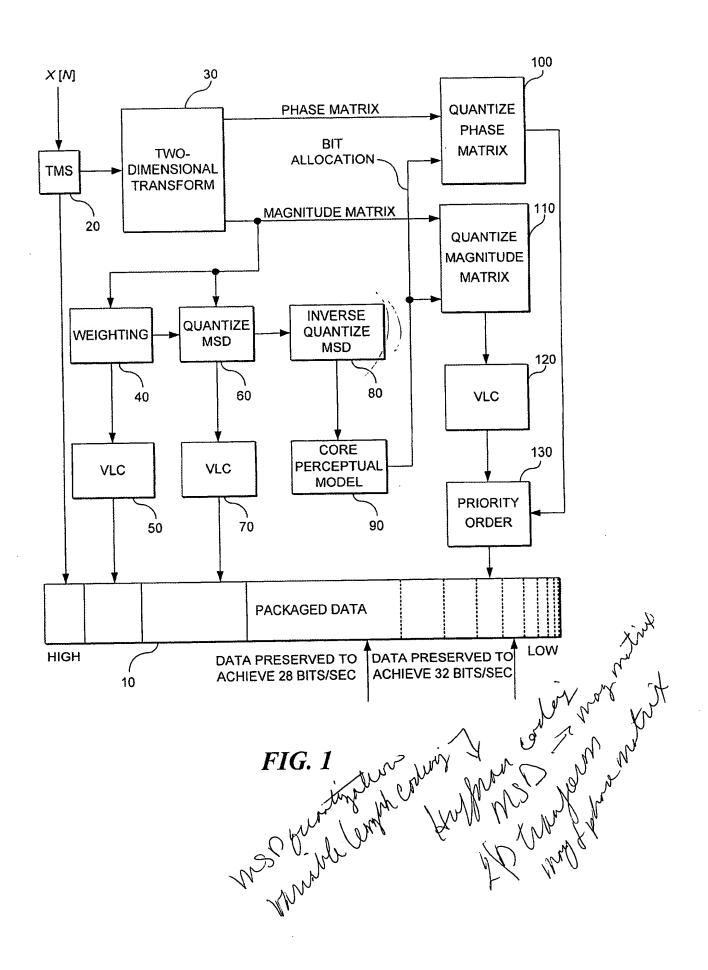
Cicely Ware

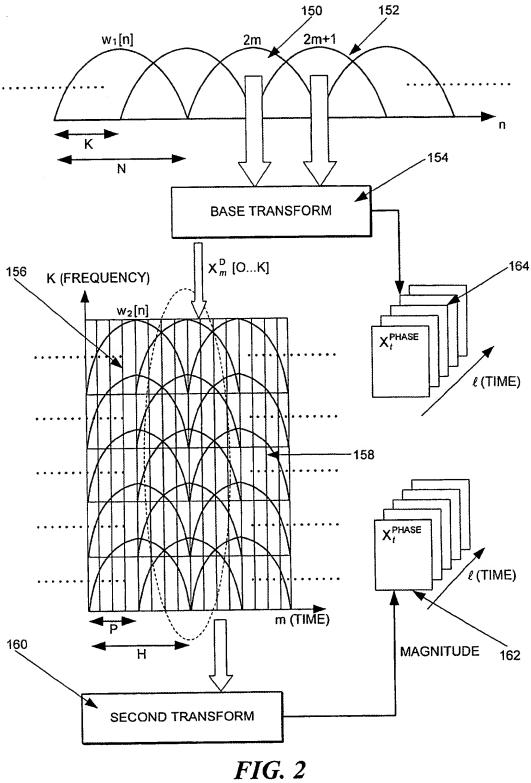
cqw

August 31, 2006

PRI TRAN

KHAI TRAN





FREQUENCY (kHz)

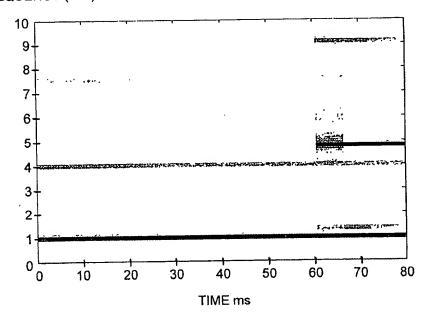


FIG. 3A

FREQUENCY (kHz)

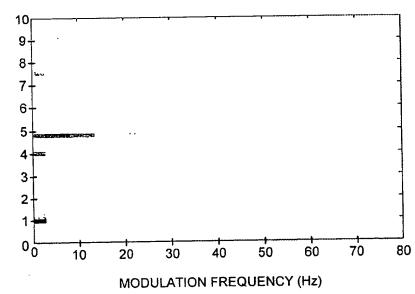


FIG. 3B

